

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/972, 756  
Source: IFW16  
Date Processed by STIC: 09/26/2006

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 09/26/2006

PATENT APPLICATION: US/09/972,756

TIME: 10:52:55

Input Set : N:\Crif3\RULE60\09972756.RAW.txt

Output Set: N:\CRF4\09222006\I972756.raw

```

1 <110> APPLICANT: Katze, Michael G.
2   Gale Jr., Michael J.
3 <120> TITLE OF INVENTION: NOVEL SCREENING METHODS TO IDENTIFY AGENTS THAT
4   SELECTIVELY INHIBIT HEPATITIS C VIRUS REPLICATION
5 <130> FILE REFERENCE: 7960-060
6 <140> CURRENT APPLICATION NUMBER: US/09/972,756
7 <141> CURRENT FILING DATE: 2001-10-05
8 <150> PRIOR APPLICATION NUMBER: US/09/035,619
9 <151> PRIOR FILING DATE: 1998-03-05
10 <150> PRIOR APPLICATION NUMBER: 60/038,596
11 <151> PRIOR FILING DATE: 1997-03-05
12 <160> NUMBER OF SEQ ID NOS: 25
13 <170> SOFTWARE: PatentIn Ver. 2.0
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 18
17 <212> TYPE: DNA
18 <213> ORGANISM: Artificial Sequence
19 <220> FEATURE:
20 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
21 <400> SEQUENCE: 1
22   ggaattcgag ctgcgccg
24 <210> SEQ ID NO: 2
25 <211> LENGTH: 24
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
30 <400> SEQUENCE: 2
31   gctctagaag cacacgacat cttc
33 <210> SEQ ID NO: 3
34 <211> LENGTH: 24
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
39 <400> SEQUENCE: 3
40   ccactcgagc ggacagttgg ctgg
42 <210> SEQ ID NO: 4
43 <211> LENGTH: 25
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

```

## RAW SEQUENCE LISTING

DATE: 09/26/2006

PATENT APPLICATION: US/09/972,756

TIME: 10:52:55

Input Set : N:\Crif3\RULE60\09972756.RAW.txt

Output Set: N:\CRF4\09222006\I972756.raw

```

48 <400> SEQUENCE: 4
49      ccgctcgagt ggtgattctg gtctc
51 <210> SEQ ID NO: 5
52 <211> LENGTH: 20
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
57 <400> SEQUENCE: 5
58      gtggtgacgc agcagagagt
60 <210> SEQ ID NO: 6
61 <211> LENGTH: 20
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
66 <400> SEQUENCE: 6
67      cagcctcacc atcactcagc
69 <210> SEQ ID NO: 7
70 <211> LENGTH: 30
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
75 <400> SEQUENCE: 7
76      ccttccatgg gctccggctc gtggctaaag
78 <210> SEQ ID NO: 8
79 <211> LENGTH: 32
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
84 <400> SEQUENCE: 8
85      atcggatcct taggacattg agcagcagac ga
87 <210> SEQ ID NO: 9
88 <211> LENGTH: 26
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
93 <400> SEQUENCE: 9
94      gtgactggtg aggcctcaac caagtc
96 <210> SEQ ID NO: 10
97 <211> LENGTH: 27
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
102 <400> SEQUENCE: 10

```

## RAW SEQUENCE LISTING

DATE: 09/26/2006

PATENT APPLICATION: US/09/972,756

TIME: 10:52:55

Input Set : N:\Crf3\RULE60\09972756.RAW.txt

Output Set: N:\CRF4\09222006\I972756.raw

```

103      taagcttatg ggctccggct cgtggct      27
105 <210> SEQ ID NO: 11
106 <211> LENGTH: 24
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
111 <400> SEQUENCE: 11
112      catatgggct ccggctcgtg gcta      24
114 <210> SEQ ID NO: 12
115 <211> LENGTH: 27
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
120 <400> SEQUENCE: 12
121      gaattccctt ccttgaaggc aacatgc      27
123 <210> SEQ ID NO: 13
124 <211> LENGTH: 30
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
129 <400> SEQUENCE: 13
130      ccttccatgg cccacattac agcagagacg      30
132 <210> SEQ ID NO: 14
133 <211> LENGTH: 27
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
138 <400> SEQUENCE: 14
139      caagcttga tccttaggac attgagc      27
141 <210> SEQ ID NO: 15
142 <211> LENGTH: 27
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
147 <400> SEQUENCE: 15
148      gtcgaccgca gacaactggc tagctga      27
150 <210> SEQ ID NO: 16
151 <211> LENGTH: 30
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
156 <400> SEQUENCE: 16
157      atcgatcct tataccacct tattctctga      30

```

## RAW SEQUENCE LISTING

DATE: 09/26/2006

PATENT APPLICATION: US/09/972,756

TIME: 10:52:55

Input Set : N:\Crf3\RULE60\09972756.RAW.txt

Output Set: N:\CRF4\09222006\I972756.raw

```

159 <210> SEQ ID NO: 17
160 <211> LENGTH: 30
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
165 <400> SEQUENCE: 17
166      atcggatcct tataccacct tattctctga
167                                     30
168 <210> SEQ ID NO: 18
169 <211> LENGTH: 24
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
174 <400> SEQUENCE: 18
175      gactccccag atgttgacct catc
176                                     24
177 <210> SEQ ID NO: 19
178 <211> LENGTH: 45
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
183 <400> SEQUENCE: 19
184      ttgtctgcgc tttccttgaa ggcagcatgc actggccgtc acgac
185                                     45
186 <210> SEQ ID NO: 20
187 <211> LENGTH: 40
188 <212> TYPE: PRT
189 <213> ORGANISM: Hepatitis C virus
190 <400> SEQUENCE: 20
191      Pro Ser Leu Lys Ala Thr Cys Thr Thr His His Asp Ser Pro Asp Ala
192      1          5          10          15
193      Asp Leu Ile Glu Ala Asn Leu Leu Trp Arg Gln Glu Met Gly Gly Asn
194      20          25          30
195      Ile Thr Arg Val Glu Ser Glu Asn
196      35          40
197
198 <210> SEQ ID NO: 21
199 <211> LENGTH: 40
200 <212> TYPE: PRT
201 <213> ORGANISM: Hepatitis C virus
202 <400> SEQUENCE: 21
203      Pro Ser Leu Lys Ala Thr Cys Thr Ala Asn His Asp Ser Pro Asp Ala
204      1          5          10          15
205      Glu Leu Ile Glu Ala Asn Leu Leu Trp Arg Gln Glu Met Gly Gly Asn
206      20          25          30
207      Ile Thr Arg Val Glu Ser Glu Asn
208      35          40
209
210 <210> SEQ ID NO: 22
211 <211> LENGTH: 40
212 <212> TYPE: PRT

```

## RAW SEQUENCE LISTING

DATE: 09/26/2006

PATENT APPLICATION: US/09/972,756

TIME: 10:52:55

Input Set : N:\Crf3\RULE60\09972756.RAW.txt

Output Set: N:\CRF4\09222006\I972756.raw

```

213 <213> ORGANISM: Hepatitis C virus
214 <400> SEQUENCE: 22
215     Pro Ser Leu Lys Ala Thr Cys Thr Thr Arg His Asp Ser Pro Asp Ala
216         1             5             10             15
217     Asp Leu Ile Glu Ala Asn Leu Leu Trp Arg Gln Glu Met Gly Gly Asn
218             20             25             30
219     Ile Thr Arg Val Glu Ser Glu Asn
220             35             40
222 <210> SEQ ID NO: 23
223 <211> LENGTH: 40
224 <212> TYPE: PRT
225 <213> ORGANISM: Hepatitis C virus
226 <400> SEQUENCE: 23
227     Pro Ser Leu Lys Ala Thr Cys Thr Thr Arg His Asp Ser Pro Asp Val
228         1             5             10             15
229     Asp Leu Ile Glu Ala Asn Leu Leu Trp Arg Gln Glu Met Gly Gly Asn
230             20             25             30
231     Ile Thr Arg Val Glu Ser Glu Asn
232             35             40
234 <210> SEQ ID NO: 24
235 <211> LENGTH: 40
236 <212> TYPE: PRT
237 <213> ORGANISM: Hepatitis C virus
238 <400> SEQUENCE: 24
239     Leu Ser Leu Lys Ala Ala Cys Thr Gly Arg His Asp Ser Pro Asp Ala
240         1             5             10             15
241     Asp Leu Ile Glu Ala Asn Leu Leu Trp Arg Gln Glu Met Gly Gly Asn
242             20             25             30
243     Ile Thr Arg Val Glu Ser Glu Asn
244             35             40
246 <210> SEQ ID NO: 25
247 <211> LENGTH: 40
248 <212> TYPE: PRT
249 <213> ORGANISM: Hepatitis C virus
250 <400> SEQUENCE: 25
251     Leu Ser Leu Lys Ala Ala Cys Thr Gly Arg His Asp Ser Pro Asp Val
252         1             5             10             15
253     Asp Leu Ile Glu Ala Asn Leu Leu Trp Arg Gln Glu Met Gly Gly Asn
254             20             25             30
255     Ile Thr Arg Val Glu Ser Glu Asn
256             35             40

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/972,756

DATE: 09/26/2006

TIME: 10:52:56

Input Set : N:\Crf3\RULE60\09972756.RAW.txt

Output Set: N:\CRF4\09222006\I972756.raw